

Converting Colors

RGB(23, 7, 221)

Have a look what the booklet for
RGB(23, 7, 221) contains.

RGB(23, 7, 221)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(23, 7, 221)

Conversions

Conversions Part 1

Format	Color
Hex	1707DD
RGB	23, 7, 221
RGB Percent	9%, 3%, 87%
CMY	0.9098, 0.9725, 0.1333
CMYK	0.90, 0.97, 0.00, 0.13
HSL	244°, 94%, 45%
HSV	244°, 97%, 87%
XYZ	13.4805, 5.5546, 68.7683
YIQ	36.1800, -59.1580, 69.9460

Conversions

Conversions Part 2

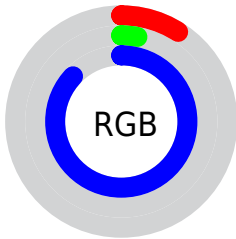
Format	Color
RYB	23, 7, 221
Decimal	1509341
CIELab	28.26, 69.98, -95.29
CIELCh	28, 118.220, 306.293
Yxy	5.5546, 0.1535, 0.0633
Android (android.graphics.Color)	4279699421 (0xFF1707DD)
YUV	36.1800, 91.1163, -11.5589
Hunter-Lab	23.5681, 60.8539, -156.5015




Details

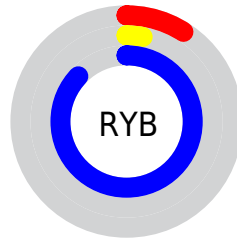
The RGB color **23, 7, 221** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **205, 221, 7**, and the grayscale version is **35, 35, 35**.




A 20% lighter version of the original color is **116, 70, 255**, and **0, 0, 164** is the 20% darker color. If you saturate the color by 10%, you get **17, 0, 221**, and if you desaturate by 10%, it is **43, 29, 221**.

Distribution







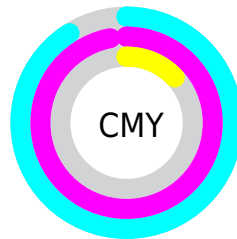
-  Red (9%)
-  Green (3%)
-  Blue (87%)






-  Red (9%)
-  Yellow (3%)
-  Blue (87%)



-  Cyan (90%)
-  Magenta (97%)
-  Yellow (0%)
-  Black (13%)






















-  Cyan (91%)
-  Magenta (97%)
-  Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 23, 7, 221 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 23, 7, 221 by changing the saturation by 10% instead.

 23, 7, 221	 23, 7, 221
 255, 255, 255	 0, 0, 192
 116, 70, 255	 0, 0, 164
 150, 96, 255	 0, 0, 137
 182, 123, 255	 0, 5, 110
 214, 151, 255	 0, 12, 84
 246, 178, 255	 0, 6, 60
 255, 207, 255	 0, 2, 38
 255, 236, 255	 0, 1, 14
	 0, 0, 0

■ 23, 7, 221

■ 23, 7, 221

■ 17, 0, 221

■ 43, 29, 221

■ 64, 51, 221

■ 84, 73, 221

■ 105, 95, 221

■ 125, 118, 221

■ 146, 140, 221

■ 166, 162, 221

■ 187, 184, 221

■ 207, 206, 221

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 81, 255



23, 7, 221



178, 0, 143

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23, 7, 221



136, 14, 0



0, 92, 85

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23, 7, 221



205, 221, 7

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 89, 0



23, 7, 221



65, 71, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23, 7, 221



186, 0, 0



0, 85, 0



0, 95, 177

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23, 7, 221



203, 0, 83



0, 85, 0



0, 91, 53

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23, 7, 221



187, 181, 255



7, 207, 221



86, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23, 7, 221



19, 0, 255



128, 7, 221



100, 99, 110



13, 0, 173



3, 0, 46

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



221, 7, 205



255, 0, 236



100, 221, 7



110, 99, 109



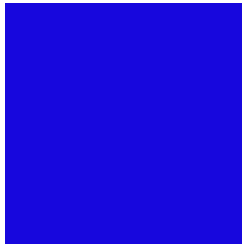
173, 0, 160



46, 0, 42

Previews

White Background



This preview shows how the RGB color 23, 7, 221 looks on a white background.

Color Contrast Check

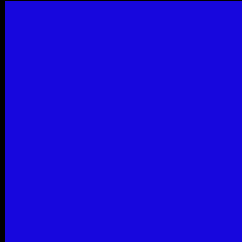
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 23, 7, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

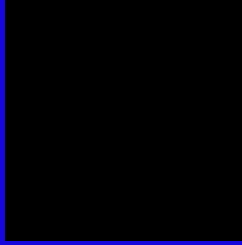
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 23, 7, 221 Background



This preview shows how black text looks on a background with the RGB color 23, 7, 221.



This preview shows how white text looks on a background with the RGB color 23, 7, 221.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


23, 7, 221

Protanopia

0, 65, 137

Deuteranopia

0, 70, 116



Tritanopia
0, 75, 79

Trichromacy



Original Color

23, 7, 221

Protanomaly

8, 44, 168

Deuteranomaly

8, 47, 154

Tritanomaly

8, 50, 131

Monochromacy



Original Color

23, 7, 221

Achromatopsia

36, 36, 36

Achromatomaly

31, 25, 103

CSS Examples

Text

The CSS property to change the color of the text to RGB 23, 7, 221 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(23, 7, 221)` looks like.

```
.text, #text, p{  
    color:rgb(23, 7, 221)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(23, 7, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 7, 221) }
```

Border

The CSS property to change the border of an element to RGB 23, 7, 221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(23, 7, 221) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(23, 7, 221) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(23, 7, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 7, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 7, 221);  
box-shadow:4px 4px 4px 4px rgb(23, 7, 221)  
}
```

Background

The CSS property to change the background color of an element to RGB 23, 7, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 7, 221) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(23, 7,  
221) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor